Name of the Work : Construction and Improvements of Toilets in Sahakaranagar, Byatarayanapura Surroundings areas in Ward No. 07, Byatarayanapura.

BRUHAT BANGALORE MAHANAGARA PALIKE							
Byatarayanapura Division							
Name of Work: Construction and Improvements of Toilets in Sahakaranagar, Byatarayanapura Surroundings areas in Ward No. 07, Byatarayanapura.							
Job Code :- 007-18-000017, 007-18-000018, 007-18-000009, 007-18-000015, 28581							
Name of Agency :- B.B. UMESHA							
Bill No :- 2nd and Part Bill							
Measurements recorded on							
BOQ Item No	**Description of item**		**Unit**	**No**	**L**	**B**	**D**	**Qty**
41	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 Page No. 5 / Item No. 2.3 of PWD SR 2016-17						
	G.K.V.K						
	Long Wall						
		L.W-1		2	10.80	1.00	0.95	20.52
		L.W-2		2	5.20	1.00	0.95	9.88
	Short Wall						
		S.W-1		3	2.40	1.00	0.95	6.84
		S.W-2		5	1.30	1.00	0.95	6.18
	Columns			6	1.50	1.50	1.20	16.20
	AMRUTHALLI						
	Long Wall						
		L.W-1		2	5.46	1.00	0.95	10.37
	Short Wall						
		S.W-1		5	4.20	1.00	0.95	19.95
		S.W-2		4	1.50	1.00	0.95	5.70
	Columns			6	1.50	1.50	1.20	16.20
	SAHAKARNAGARA						
	Long Wall						
		L.W-1		2	10.90	1.00	0.95	20.71
		L.W-2		2	5.50	1.00	0.95	10.45
	Short Wall						
		S.W-1		3	2.80	1.00	0.95	7.98
		S.W-2		6	1.50	1.00	0.95	8.55
	Columns			6	1.50	1.50	1.20	16.20
			Cum			**Total Qty**		**175.73**

RUDRAPRASAD CONSULTANT BANGALORE

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	Description of item	Unit	No	L	B	D	Qty
42	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. Page No.12, Item No. 4.3 of PWD SR 2016-17						
	G.K.V.K						
	Long Wall						
	L.W-1		2	10.80	0.90	0.15	2.92
	L.W-2		2	5.20	0.90	0.15	1.40
	Short Wall						
	S.W-1		3	2.40	0.90	0.15	0.97
	S.W-2		5	1.30	0.90	0.15	0.88
	Columns		6	1.50	1.50	0.15	2.03
	Passage						
			2	5.20	0.80	0.15	1.25
	For Flooring Toilets						
	Toilet-1		1	1.12	1.40	0.15	0.24
	Toilet-2		1	1.15	1.40	0.15	0.24
	Toilet-3		1	2.53	1.40	0.15	0.53
	Toilet-4		1	1.17	1.40	0.15	0.25
	Toilet-5		1	1.16	1.40	0.15	0.24
	Toilet-6		1	1.15	1.40	0.15	0.24
	Toilet-7		1	1.20	1.40	0.15	0.25
	AMRUTHALLI						
	Long Wall						
	L.W-1		2	5.46	1.00	0.15	1.64
	Short Wall						
	S.W-1		5	4.2	1.00	0.15	3.15
	S.W-2		4	1.5	1.00	0.15	0.90
	Columns		6	1.5	1.50	0.15	2.03
	Passage		2	0.90	4.30	0.15	1.16
	For Flooring Toilets						
	Toilet-1		1	1.25	1.40	0.15	0.26
	Toilet-2		1	1.25	1.40	0.15	0.26
	Toilet-3		1	1.25	1.40	0.15	0.26
	Toilet-4		1	1.25	1.50	0.15	0.28
	Toilet-5		1	1.25	1.50	0.15	0.28
	Toilet-6		1	1.25	1.50	0.15	0.28
	SAHAKARNAGARA						
	Long Wall						

Measurements recorded on							
BOQ Item No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**
	L.W-1		2	10.9	1	0.15	3.27
	L.W-2		2	5.5	1	0.15	1.65
	Short Wall						
	S.W-1		3	2.8	1	0.15	1.26
	S.W-2		6	1.5	1	0.15	1.35
	Columns		6	1.5	1.5	0.15	2.03
	Passage		2	5.30	1.30	0.15	2.07
	For Flooring Toilets						
	Toilet-1		1	1.25	1.25	0.15	0.23
	Toilet-2		1	1.25	1.25	0.15	0.23
	Toilet-3		1	1.25	1.25	0.15	0.23
	Toilet-4		1	1.25	1.25	0.15	0.23
	Toilet-5		1	1.25	1.25	0.15	0.23
	Toilet-6		1	1.25	1.25	0.15	0.23
	Hand Wash Area-1		1	1.25	1.50	0.15	0.28
	Hand Wash Area-2		1	1.25	1.50	0.15	0.28
		Cum			**Total Qty**		**35.53**

RUDRAPRASAD CONSULTANTS BANGALORE

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**
5	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Page No. 23 / Item No. 5.6, PWD SR 2016-17						
	G.K.V.K						
	Long Wall						
	L.W-1		2	10.80	0.60	0.45	5.83
	L.W-2		2	5.20	0.60	0.45	2.81
	Short Wall						
	S.W-1		3	2.40	0.60	0.45	1.94
	S.W-2		5	1.30	0.60	0.45	1.76
	Deduction For Columns		6	1.20	0.60	0.45	-1.94
	AMRUTHALLI						
	Long Wall						
	L.W-1		2	5.46	0.6	0.45	2.95
	Short Wall						
	S.W-1		5	4.2	0.6	0.45	5.67
	S.W-2		4	1.5	0.6	0.45	1.62
	Deduction For Columns		6	1.2	0.6	0.45	-1.94
	SAHAKARNAGARA						
	Long Wall						
	L.W-1		2	10.9	0.6	0.45	5.89
	L.W-2		2	5.5	0.6	0.45	2.97
	Short Wall						
	S.W-1		3	2.8	0.6	0.45	2.27
	S.W-2		6	1.5	0.6	0.45	2.43
	Deduction For Columns		6	1.2	0.6	0.45	-1.94
		Cum			**Total Qty**		**30.30**

RUDRAPRASAD CONSULTANTS BANGALORE

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	Description of item	Unit	No	L	B	D	Qty
7	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Page No. 23 / Item No. 5.9, PWD SR 2016-17						
	G.K.V.K						
	Long Wall						
	L.W-1		2	10.80	0.45	0.45	4.37
	L.W-2		2	5.20	0.45	0.45	2.11
	Short Wall						
	S.W-1		3	2.40	0.45	0.45	1.46
	S.W-2		5	1.30	0.45	0.45	1.32
	Deduction For Columns		6	1.20	0.45	0.45	-1.46
	AMRUTHALLI						
	Long Wall						
	L.W-1		2	5.46	0.45	0.45	2.21
	Short Wall						
	S.W-1		5	4.2	0.45	0.45	4.25
	S.W-2		4	1.5	0.45	0.45	1.22
	Deduction For Columns		6	1.2	0.45	0.45	1.46
	SAHAKARNAGARA						
	Long Wall						
	L.W-1		2	10.9	0.45	0.45	4.41
	L.W-2		2	5.5	0.45	0.45	2.23
	Short Wall						
	S.W-1		3	2.8	0.45	0.45	1.70
	S.W-2		6	1.5	0.45	0.45	1.82
	Deduction For Columns		6	1.2	0.45	0.45	-1.46
		Cum			**Total Qty**		**25.64**

RUDRAPRASAD CONSULTANTS BANGALORE

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	Description of item	Unit	No	L	B	D	Qty
43	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification. No. KBS 2.9, Page No. 6 / Item No. 2.10 / PWD SR 2016-17						
	G.K.V.K						
	Long Wall						
	L.W-1		2	10.80	1.00	0.95	20.52
	L.W-2		2	5.20	1.00	0.95	9.88
	Short Wall						
	S.W-1		3	2.40	1.00	0.95	6.84
	S.W-2		5	1.30	1.00	0.95	6.18
	Columns		6	1.50	1.50	1.20	16.20
	AMRUTHALLI						
	Long Wall						
	L.W-1		2	5.46	1.00	0.95	10.37
	Short Wall						
	S.W-1		5	4.20	1.00	0.95	19.95
	S.W-2		4	1.50	1.00	0.95	5.70
	Columns		6	1.50	1.50	1.20	16.20
	SAHAKARNAGARA						
	Long Wall						
	L.W-1		2	10.90	1.00	0.95	20.71
	L.W-2		2	5.50	1.00	0.95	10.45
	Short Wall						
	S.W-1		3	2.80	1.00	0.95	7.98
	S.W-2		6	1.50	1.00	0.95	8.55
	Columns		6	1.50	1.50	1.20	16.20
		Cum			**Total Qty**		**175.73**

RUDRAPRASAD CONSULTANTS BANGALORE

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**
44	KSRB 15.1.2 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:4, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications Page No. 113 / Item No. 15.2, PWD SR 2016-17						
	G.K.V.K						
	Long Wall						
	L.W-1		4	10.80		0.45	19.44
	L.W-2		4	5.20		0.45	9.36
	Short Wall						
	S.W-1		6	2.40		0.45	6.48
	S.W-2		10	1.30		0.45	5.85
	AMRUTHALLI						
	Long Wall						
	L.W-1		4	5.46		0.45	9.83
	Short Wall						
	S.W-1		10	4.2		0.45	18.90
	S.W-2		8	1.5		0.45	5.40
	SAHAKARNAGARA						
	Long Wall						
	L.W-1		4	10.9		0.45	19.62
	L.W-2		4	5.5		0.45	9.90
	Short Wall						
	S.W-1		6	2.8		0.45	7.56
	S.W-2		12	1.5		0.45	8.10
		Sqm			**Total Qty**		**120.44**

RUDRAPRASAD CONSULTANTS BANGALORE

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	Description of item	Unit	No	L	B	D	Qty
28	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 Page No. 25 / Item No. 5.26.2, PWD SR 2016-17						
	G.K.V.K						
	Long Wall						
	L.W-1		2	10.80		3.00	64.80
	L.W-2		2	5.20		2.70	28.08
	Short Wall						
	S.W-1		3	2.40		3.00	21.60
	S.W-2		5	1.30		2.70	17.55
	Parapet Wall						
	L.W-1		2	10.80		0.40	8.64
	S.W-1		2	2.40		0.40	1.92
	Steps						
			2	4.00		0.30	2.40
			2	1.00		0.15	0.30
	DEDUCTIONS						
	Lintel						
	Long Wall						
	L.W-1		2	10.80		0.15	-3.24
	L.W-2		2	5.20		0.15	-1.56
	Short Wall						
	S.W-1		3	2.40		0.15	-1.08
	S.W-2		5	1.30		0.15	-0.98
	Plinth Beam						
	Long Wall						
	L.W-1		2	10.80		0.30	-6.48
	L.W-2		2	5.20		0.30	-3.12
	Short Wall						
	S.W-1		3	2.40		0.30	-2.16
	S.W-2		5	1.30		0.30	-1.95
	Columns		6	0.068		3.0	-1.22
	Rolling Shutters		2	1.80		2.10	-7.56
	Doors		8	0.80		2.10	-13.44
	Ventilator-1		8	0.60		0.90	-4.32
	Ventilator-2		4	1.00		0.60	-2.40
	AMRUTHALLI						
	Long Wall						
	L.W-1		2	5.46		3	32.76

RUDRAPRASAD CONSULTANTS BANGALORE

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	Description of item	Unit	No	L	B	D	Qty
	Short Wall						
	S.W-1		3	4.2		3	37.80
	S.W-2		4	1.5		2.1	12.60
	S.W-3		2	4.2		2.1	17.64
	Parapet Wall						
	L.W-1		2	5.66		0.4	4.53
	S.W-1		2	4.4		0.4	3.52
	Steps						
			2	4.00		0.30	2.40
			2	1.00		0.15	0.30
	DEDUCTIONS						
	Lintel						
	Long Wall						
	L.W-1		2	5.46		0.15	-1.64
	Short Wall						
	S.W-1		3	4.2		0.15	-1.89
	S.W-2		4	1.5		0.15	-0.90
	S.W-3		2	4.2		0.15	-1.26
	Plinth Beam						
	Long Wall						
	L.W-1		2	5.46		0.3	-3.28
	Short Wall						
	S.W-1		3	4.2		0.3	-3.78
	S.W-2		4	1.5		0.3	-1.80
	S.W-3		2	4.2		0.3	-2.52
	Columns		6	0.068		3	-1.22
	Rolling Shutters		2	0.9		2.1	-3.78
	Doors		6	0.75		2.1	-9.45
	Ventilator-1		2	0.9		0.9	-1.62
	Ventilator-2		6	0.6		0.45	-1.62
	SAHAKARNAGARA						
	Long Wall						
	L.W-1		2	10.9		3	65.40
	L.W-2		2	5.5		2.1	23.10
	Short Wall						
	S.W-1		3	2.8		3	25.20
	S.W-2		6	1.5		2.1	18.90
	Parapet Wall						
	L.W-1		2	11.1		0.4	8.88
	S.W-1		2	3		0.4	2.40
	Steps						
			2	4.00		0.30	2.40
			2	1.00		0.15	0.30

RUDRAPRASAD CONSULTANTS BANGALORE

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	Description of item	Unit	No	L	B	D	Qty
	DEDUCTIONS						
	Lintel						
	Long Wall						
	L.W-1		2	10.9		0.15	-3.27
	L.W-2		2	5.5		0.15	-1.65
	Short Wall						
	S.W-1		3	2.8		0.15	-1.26
	S.W-2		6	1.5		0.15	-1.35
	Plinth Beam						
	Long Wall						
	L.W-1		2	10.9		0.3	-6.54
	L.W-2		2	5.5		0.3	-3.30
	Short Wall						
	S.W-1		3	2.8		0.3	-2.52
	S.W-2		6	1.5		0.3	-2.70
	Columns		6	0.068		3	-1.22
	Rolling Shutters		2	1.25		2.10	-5.25
	Doors		6	0.60		2.10	-7.56
	Ventilator-1		4	1.80		0.45	-3.24
		Sqm			**Total Qty**		**279.31**

BANGALORE

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**
22	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) M 20 for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, for raft foundation column footing , main and secondary beams with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Page No. 18, Item No. 4.48, PWD SR 2016-17 (with 8% area Weightage)						
	G.K.V.K						
	Column Footing		6	1.20	1.20	0.60	5.18
			6	0.45	0.15	3.50	1.42
	Chejja		1	4.20	0.60	0.15	0.38
	Lintel						
	Long Wall						
	L.W-1		2	10.80	0.15	0.15	0.49
	L.W-2		2	5.20	0.15	0.15	0.23
	Short Wall						
	S.W-1		3	2.40	0.15	0.15	0.16
	S.W-2		5	1.30	0.15	0.15	0.15
	Plinth Beam						
	Long Wall						
	L.W-1		2	10.80	0.15	0.30	0.97
	L.W-2		2	5.20	0.15	0.30	0.47
	Short Wall						
	S.W-1		3	2.40	0.15	0.30	0.32
	S.W-2		5	1.30	0.15	0.30	0.29
	Roof Slab		1	11.60	3.20	0.15	5.57
	AMRUTHALLI						
	Column Footing		6	1.2	1.2	0.6	5.18
			6	0.45	0.15	3.5	1.42
	Chejja		1	2.20	0.60	0.15	0.20
	Lintel						
	Long Wall						
	L.W-1		2	5.46	0.15	0.15	0.25
	Short Wall						
	S.W-1		3	4.2	0.15	0.15	0.28
	S.W-2		4	1.5	0.15	0.15	0.14
	S.W-3		2	4.2	0.15	0.15	0.19
	Plinth Beam						
	Long Wall						
	L.W-1		2	5.46	0.15	0.3	0.49
	Short Wall						
	S.W-1		3	4.2	0.15	0.3	0.57

Measurements recorded on							
BOQ Item No	Description of item	Unit	No	L	B	D	Qty
	S.W-2		4	1.5	0.15	0.3	0.27
	S.W-3		2	4.2	0.15	0.3	0.38
	Roof Slab		1	6.20	5.00	0.15	4.65
	SAHAKARNAGARA						
	Column Footing		6	1.2	1.2	0.6	5.18
			6	0.45	0.15	3.5	1.42
	Chejja		1	3.20	0.60	0.15	0.29
	Lintel						
	Long Wall						
	L.W-1		2	10.9	0.15	0.15	0.49
	L.W-2		2	5.5	0.15	0.15	0.25
	Short Wall						
	S.W-1		3	2.8	0.15	0.15	0.19
	S.W-2		6	1.5	0.15	0.15	0.20
	Plinth Beam						
	Long Wall						
	L.W-1		2	10.9	0.15	0.3	0.98
	L.W-2		2	5.5	0.15	0.3	0.50
	Short Wall						
	S.W-1		3	2.8	0.15	0.3	0.38
	S.W-2		6	1.5	0.15	0.3	0.41
	Roof Slab		1	11.7	3.6	0.15	6.32
		Cum				Total Qty	46.24

Measurements recorded on							
BOQ Item No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**
24	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500 Page No. 17 / Item No. 4.46.2, PWD SR 2016-17						
	G.K.V.K						
	Column Footing						
	Main Bar 12mm Dia	6	12	1.20	1.20	0.888	92.07
	Distribution Bar 12mm Dia	6	12	1.20	1.20	0.888	92.07
	Column						
	Main Bar 12mm Dia	6	8	3.50		0.888	149.18
	Stirrups of 8mm Dia	6	23	1.30		0.395	70.87
	Chejja						
	Main Bar 10 mm Dia	1	42	0.60		0.62	15.56
	Distribution Bar 8 mm Dia	1	6	4.20		0.62	15.56
	Lintel						
	Long Wall						
	L.W-1						
	Main Bars						
	Top Bars 10 mm dia	2	2	10.80		0.62	26.67
	Bottom Bars 10 mm dia	2	2	10.80		0.62	26.67
	Stirrups 8mm Dia	2	108	0.70		0.40	59.73
	L.W-2						
	Main Bars						
	Top Bars 10 mm dia	2	2	5.20		0.62	12.84
	Bottom Bars 10 mm dia	2	2	5.20		0.62	12.84
	Stirrups 8mm Dia	2	52	0.70		0.40	28.76
	Short Wall						
	S.W-1						
	Main Bars						
	Top Bars 10 mm dia	3	2	2.40		0.62	8.89
	Bottom Bars 10 mm dia	3	2	2.40		0.62	8.89
	Stirrups 8mm Dia	3	24	0.70		0.40	19.91
	S.W-2						
	Main Bars						
	Top Bars 10 mm dia	5	2	1.30		0.62	8.02
	Bottom Bars 10 mm dia	5	2	1.30		0.62	8.02
	Stirrups 8mm Dia	5	13	0.70		0.40	17.98
	Plinth Beam						

PRASAD CONSULTANTS BANGALORE

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	Description of item	Unit	No	L	B	D	Qty
	Long Wall						
	L.W-1						
	Main Bars						
	Top Bars 12 mm dia	2	2	10.80		0.889	38.40
	Bottom Bars 12 mm dia	2	3	10.80		0.889	57.60
	Stirrups 8mm Dia	2	108	1.00		0.40	85.33
	Extra Top Bar	2	2	3.00		0.889	10.67
	Extra Bottom Bar	2	2	2.00		0.889	7.11
	L.W-2						
	Main Bars						
	Top Bars 12 mm dia	2	2	5.20		0.889	18.49
	Bottom Bars 12 mm dia	2	3	5.20		0.889	27.73
	Stirrups 8mm Dia	2	52	1.00		0.40	41.09
	Extra Top Bar	2	2	3.00		0.889	10.67
	Extra Bottom Bar	2	2	2.00		0.889	7.11
	Short Wall						
	S.W-1						
	Main Bars						
	Top Bars 12 mm dia	3	2	2.40		0.889	12.80
	Bottom Bars 12 mm dia	3	3	2.40		0.889	19.20
	Stirrups 8mm Dia	3	24	1.00		0.40	28.44
	Extra Top Bar	2	2	3.00		0.889	10.67
	Extra Bottom Bar	2	2	2.00	3/1	0.889	7.11
	S.W-2						
	Main Bars						
	Top Bars 12 mm dia	5	2	1.30		0.889	11.56
	Bottom Bars 12 mm dia	5	3	1.30		0.889	17.33
	Stirrups 8mm Dia	5	13	1.00		0.40	25.68
	Extra Top Bar	2	2	3.00		0.889	10.67
	Extra Bottom Bar	2	2	2.00	3/1	0.889	7.11
	Roof Slab						
	Main Bar 10mm Dia	1	116	3.20		0.62	229.14
	Distribution Bar 8mm Dia	1	89	11.60	3/1	0.40	407.86
	AMRUTHALLI						
	Column Footing						
	Main Bar 12mm Dia	6	12	1.20	1.20	0.888	92.07
	Distribution Bar 12mm Dia	6	12	1.20	1.20	0.888	92.07
	Column						
	Main Bar 12mm Dia	6	8	3.50		0.888	149.18
	Stirrups of 8mm Dia	6	23	1.30		0.395	70.87
	Chejja						

Measurements recorded on							
BOQ Item No	Description of item	Unit	No	L	B	D	Qty
	Main Bar 10 mm Dia	1	22	0.60		0.62	8.15
	Distribution Bar 8 mm Dia	1	6	2.20		0.40	5.21
	Lintel						
	Long Wall						
	L.W-1						
	Main Bars						
	Top Bars 10 mm dia	2	2	5.46		0.62	13.48
	Bottom Bars 10 mm dia	2	2	5.46		0.62	13.48
	Stirrups 8mm Dia	2	55	0.70		0.40	30.42
	Short Wall						
	S.W-1						
	Main Bars						
	Top Bars 10 mm dia	3	2	4.20		0.62	15.56
	Bottom Bars 10 mm dia	3	2	4.20		0.62	15.56
	Stirrups 8mm Dia	3	42	0.70		0.40	34.84
	S.W-2						
	Main Bars						
	Top Bars 10 mm dia	4	2	1.50		0.62	7.41
	Bottom Bars 10 mm dia	4	2	1.50		0.62	7.41
	Stirrups 8mm Dia	4	15	0.70		0.40	16.59
	S.W-3						
	Main Bars						
	Top Bars 10 mm dia	2	2	4.20		0.62	10.37
	Bottom Bars 10 mm dia	2	2	4.20		0.62	10.37
	Stirrups 8mm Dia	2	42	0.70		0.40	23.23
	Plinth Beam						
	Long Wall						
	L.W-1						
	Main Bars						
	Top Bars 12 mm dia	2	2	5.46		0.889	19.41
	Bottom Bars 12 mm dia	2	3	5.46		0.889	29.12
	Stirrups 8mm Dia	2	55	1.00		0.40	43.46
	Extra Top Bar	2	2	2.00		0.889	7.11
	Extra Bottom Bar	2	2	2.00		0.889	7.11
	Short Wall						
	S.W-1						
	Main Bars						
	Top Bars 12 mm dia	3	2	4.20		0.889	22.40
	Bottom Bars 12 mm dia	3	3	4.20		0.889	33.60
	Disrtibution Bars	3	42	1.00		0.40	49.78

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Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	Description of item	Unit	No	L	B	D	Qty
	Extra Top Bar	2	2	2.00		0.889	7.11
	Extra Bottom Bar	2	2	2.00		0.889	7.11
	S.W-2						
	Main Bars						
	Top Bars 12 mm dia	4	2	1.50		0.889	10.67
	Bottom Bars 12 mm dia	4	3	1.50		0.889	16.00
	Disrtibution Bars	4	15	1.00		0.40	23.70
	Extra Top Bar	2	2	2.00		0.889	7.11
	Extra Bottom Bar	2	2	2.00		0.889	7.11
	S.W-3						
	Main Bars						
	Top Bars 12 mm dia	2	2	4.20		0.889	14.93
	Bottom Bars 12 mm dia	2	3	4.20		0.889	22.40
	Disrtibution Bars	2	42	1.00		0.40	33.19
	Extra Top Bar	2	2	2.00		0.889	7.11
	Extra Bottom Bar	2	2	2.00		0.889	7.11
	Roof Slab						
	Main Bar 10mm Dia	1	62	5.00		0.62	191.36
	Distribution Bar 8mm Dia	1	45	6.20		0.40	110.22
	SAHAKARNAGARA						
	Column Footing						
	Main Bar 12mm Dia	6	12	1.20	1.20	0.888	92.07
	Distribution Bar 12mm Dia	6	12	1.20	1.20	0.888	92.07
	Column						
	Main Bar 12mm Dia	6	8	3.50		0.888	149.18
	Stirrups of 8mm Dia	6	23	1.30		0.395	70.87
	Chejja						
	Main Bar 10 mm Dia	1	32	0.60		0.62	11.85
	Distribution Bar 8 mm Dia	1	6	3.20		0.40	7.59
	Lintel						
	Long Wall						
	L.W-1						
	Main Bars						
	Top Bars 10 mm dia	2	2	10.90		0.62	26.91
	Bottom Bars 10 mm dia	2	2	10.90		0.62	26.91
	Stirrups 8mm Dia	2	99	0.70		0.40	54.76
	L.W-2						
	Main Bars						
	Top Bars 10 mm dia	2	2	5.50		0.62	13.58

Measurements recorded on							
BOQ Item No	Description of item	Unit	No	L	B	D	Qty
	Bottom Bars 10 mm dia	2	2	5.50		0.62	13.58
	Stirrups 8mm Dia	2	50	0.70		0.40	27.65
	Short Wall						
	S.W-1						
	Main Bars						
	Top Bars 10 mm dia	3	2	2.80		0.62	10.37
	Bottom Bars 10 mm dia	3	2	2.80		0.62	10.37
	Stirrups 8mm Dia	3	25	0.70		0.40	20.74
	S.W-2						
	Main Bars						
	Top Bars 10 mm dia	6	2	1.50		0.62	11.11
	Bottom Bars 10 mm dia	6	2	1.50		0.62	11.11
	Stirrups 8mm Dia	6	14	0.70		0.40	23.23
	Plinth Beam						
	Long Wall						
	L.W-1						
	Main Bars						
	Top Bars 12 mm dia	2	2	10.90		0.889	38.76
	Bottom Bars 12 mm dia	2	3	10.90		0.889	58.13
	Stirrups 8mm Dia	2	91	1.00		0.40	71.90
	Extra Top Bar	2	2	3.00		0.889	10.67
	Extra Bottom Bar	2	2	2.00		0.889	7.11
	L.W-2						
	Main Bars						
	Top Bars 12 mm dia	2	2	5.50		0.889	19.56
	Bottom Bars 12 mm dia	2	3	5.50		0.889	29.33
	Stirrups 8mm Dia	2	46	1.00		0.40	36.35
	Extra Top Bar	2	2	3.00		0.889	10.67
	Extra Bottom Bar	2	2	2.00		0.889	7.11
	Short Wall						
	S.W-1						
	Main Bars						
	Top Bars 12 mm dia	3	2	2.80		0.889	14.93
	Bottom Bars 12 mm dia	3	3	2.80		0.889	22.40
	Disrtibution Bars	3	22	1.00		0.40	26.07
	Extra Top Bar	2	2	3.00		0.889	10.67
	Extra Bottom Bar	2	2	2.00		0.889	7.11
	S.W-2						
	Main Bars						
	Top Bars 12 mm dia	6	2	1.50		0.889	16.00
	Bottom Bars 12 mm dia	6	3	1.50		0.889	24.00

Measurements recorded on							
BOQ Item No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**
	Disrtibution Bars	6	15	1.00		0.40	35.56
	Extra Top Bar	2	2	3.00		0.889	10.67
	Extra Bottom Bar	2	2	2.00		0.889	7.11
	Roof Slab						
	Main Bar 10mm Dia	1	117	3.60		0.62	260.00
	Distribution Bar 8mm Dia	1	36	11.70		0.40	166.40
							4624.15
		Tonne				**Total Qty**	**4.62**

Measurements recorded on							
BOQ Item No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**
26	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 Page No. 15 / Item No. 4.31 PWD SR 2016-17						
	Column Footing						
	G.K.V.K						
	Column Footing		6	4.80		0.60	17.28
			6	1.20		4.00	28.80
	Chejja		1	4.20	0.90		3.78
	Chejja Side		1	5.40		0.15	0.81
	Lintel						
	Long Wall						
	L.W-1		4	10.80		0.15	6.48
	L.W-2		4	5.20		0.15	3.12
	Short Wall						
	S.W-1		6	2.40		0.15	2.16
	S.W-2		10	1.30		0.15	1.95
	Plinth Beam						
	Long Wall						
	L.W-1		4	10.80		0.30	12.96
	L.W-2		4	5.20		0.30	6.24
	Short Wall						
	S.W-1		6	2.40		0.30	4.32
	S.W-2		10	1.30		0.30	3.90
	Roof						
	Slab		1	11.60	3.20		37.12
	Sides		2	11.60		0.15	3.48
			2	3.20		0.15	0.96
	AMRUTHALLI						
	Column Footing		6	4.8		0.6	17.28
			6	1.2		4	28.80
	Chejja		1	2.20	0.60		1.32
	Chejja Side		1	3.40		0.15	0.51
	Lintel						
	Long Wall						
	L.W-1		4	5.46		0.15	3.28
	Short Wall						
	S.W-1		6	4.2		0.15	3.78
	S.W-2		8	1.5		0.15	1.80
	S.W-3		4	4.2		0.15	2.52

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Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	Description of item	Unit	No	L	B	D	Qty
	Plinth Beam						
	Long Wall						
	L.W-1		4	5.46		0.3	6.55
	Short Wall						
	S.W-1		6	4.2		0.3	7.56
	S.W-2		8	1.5		0.3	3.60
	S.W-3		4	4.2		0.3	5.04
	Roof Slab						
	Roof Slab		1	6.2	5		31.00
	Roof Sides		2	6.2		0.15	1.86
			2	5		0.15	1.50
	Sahakarnagara						
	Column Footing		6	4.8		0.6	17.28
			6	1.2		4	28.80
	Chejja		1	3.20	0.60		1.92
	Chejja Side		1	4.40		0.15	0.66
	Lintel						
	Long Wall						
	L.W-1		4	10.9		0.15	6.54
	L.W-2		4	5.5		0.15	3.30
	Short Wall						
	S.W-1		6	2.8		0.15	2.52
	S.W-2		12	1.5		0.15	2.70
	Plinth Beam						
	Long Wall						
	L.W-1		4	10.9		0.3	13.08
	L.W-2		4	5.5		0.3	6.60
	Short Wall						
	S.W-1		6	2.8		0.3	5.04
	S.W-2		12	1.5		0.3	5.40
	Slab						
	Roof Slab		1	11.7	3.6		42.12
	Roof Sides		2	11.7		0.15	3.51
			2	3.6		0.15	1.08
		Sqm				**Total Qty**	**390.31**

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**
45	KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to **ceiling** including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 114, Item No. 15.21 of PWD SR 2016-17**						
	G.K.V.K						
	Toilet						
	Toilet-1		1	1.12	1.70		1.90
	Toilet-2		1	1.15	1.70		1.96
	Toilet-3		1	2.53	1.70		4.30
	Toilet-4		1	1.17	1.70		1.99
	Toilet-5		1	1.16	1.70		1.97
	Toilet-6		1	1.15	1.70		1.96
	Toilet-7		1	1.20	1.70		2.04
	Passage						
			2	5.20	0.80		8.32
	AMRUTHALLI						
	Toilet-1		1	1.25	1.4		1.75
	Toilet-2		1	1.25	1.4		1.75
	Toilet-3		1	1.25	1.4		1.75
	Toilet-4		1	1.25	1.5		1.88
	Toilet-5		1	1.25	1.5		1.88
	Toilet-6		1	1.25	1.5		1.88
	Passage						
			2	0.9	4.3		7.74
	Sahakarnagara						
	Toilet-1		1	1.25	1.25		1.56
	Toilet-2		1	1.25	1.25		1.56
	Toilet-3		1	1.25	1.25		1.56
	Toilet-4		1	1.25	1.251		1.56
	Toilet-5		1	1.25	1.25		1.56
	Toilet-6		1	1.25	1.25		1.56
	Hand Wash Area-1		1	1.25	1.5		1.88
	Hand Wash Area-2		1	1.25	1.5		1.88
	Passage						
			2	5.3	1.3		13.78
		Sqm			**Total Qty**		**69.96**

RAGHAVAPRASAD CONSULTANTS BANGALORE

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	Description of item	Unit	No	L	B	D	Qty
46	KSRB15-3.12 :Providing 20mm thick cement plaster in single coat with cement mortar 1:6, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 114, Item No. 15.21 of PWD SR 2016-17 (Inside Plastering)**						
	G.K.V.K						
	Long Wall						
	L.W-1		2	10.80		3.00	64.80
	L.W-2		4	5.20		2.10	43.68
	Short Wall						
	S.W-1		4	2.40		3.00	28.80
	S.W-2		10	1.30		2.10	27.30
	DEDUCTIONS						
	Rolling Shutters						
		0.5	2	1.80		2.10	-3.78
	Doors						
		0.5	8	0.80		2.10	-6.72
	Ventilator-1						
		0.5	8	0.60		0.90	-2.16
	Ventilator-2						
		0.5	4	1.00		0.60	-1.20
	AMRUTHALLI						
	Long Wall						
	L.W-1		2	5.46		3	32.76
	Short Wall						
	S.W-1		4	4.2		3	50.40
	S.W-2		8	1.5		2.1	25.20
	S.W-3		4	4.2		2.1	35.28
	DEDUCTIONS						
	Rolling Shutters	0.5	2	1.25		2.1	-2.63
	Doors	0.5	6	0.6		2.1	-3.78
	Ventilator-1	0.5	4	1.8		0.45	-1.62
	Sahakarnagara						
	Long Wall						
	L.W-1		2	10.9		3	65.40
	L.W-2		4	5.5		2.1	46.20
	Short Wall						
	S.W-1		4	2.8		3	33.60
	S.W-2		12	1.5		2.1	37.80

Measurements recorded on							
BOQ Item No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**
	Deduction						
	Rolling Shutters	0.5	2	1.25		2.1	-2.63
	Doors	0.5	6	0.6		2.1	-3.78
	Ventilator-1	0.5	4	1.8		0.45	-1.62
		Sqm			**Total Qty**		**461.31**
					Limted to		**131.49**

Measurements recorded on							
BOQ Item No	Description of item	Unit	No	L	B	D	Qty
47	KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. Page No. 115, Item No. 15.33, PWD SR 2016-17						
	G.K.V.K						
	Toilet						
	Toilet-1		1	1.12	1.70		1.90
	Toilet-2		1	1.15	1.70		1.96
	Toilet-3		1	2.53	1.70		4.30
	Toilet-4		1	1.17	1.70		1.99
	Toilet-5		1	1.16	1.70		1.97
	Toilet-6		1	1.15	1.70		1.96
	Toilet-7		1	1.20	1.70		2.04
	Passage						
			2	5.20	0.80		8.32
	Long Wall						
	L.W-1		2	10.80		3.00	64.80
	L.W-2		4	5.20		2.10	43.68
	Short Wall						
	S.W-1		4	2.40		3.00	28.80
	S.W-2		10	1.30		2.10	27.30
	DEDUCTIONS						
	Rolling Shutters						
		0.5	2	1.80		2.10	-3.78
	Doors						
		0.5	8	0.80		2.10	-6.72
	Ventilator-1						
		0.5	8	0.60		0.90	-2.16
	Ventilator-2						
		0.5	4	1.00		0.60	-1.20
	AMRUTHALLI						
	Toilet-1						
	Toilet-2		1	1.25	1.4		1.75
	Toilet-3		1	1.25	1.4		1.75
	Toilet-4		1	1.25	1.5		1.88
	Toilet-5		1	1.25	1.5		1.88
	Toilet-6		1	1.25	1.5		1.88
	Passage						
			2	0.90	4.30		7.74
	Long Wall						
	L.W-1		2	5.46		3	32.76
	Short Wall						
	S.W-1		4	4.2		3	50.40

RUDRAPRASAD CONSULTANTS BANGALORE

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	Description of item	Unit	No	L	B	D	Qty
	S.W-2		8	1.5		2.1	25.20
	S.W-3		4	4.2		2.1	35.28
	DEDUCTIONS						
	Rolling Shutters	0.5	2	1.25		2.1	-2.63
	Doors	0.5	6	0.6		2.1	-3.78
	Ventilator-1	0.5	4	1.8		0.45	-1.62
	Sahakarnagara						
	Toilet-1		1	1.25	1.25		1.56
	Toilet-2		1	1.25	1.25		1.56
	Toilet-3		1	1.25	1.25		1.56
	Toilet-4		1	1.25	1.251		1.56
	Toilet-5		1	1.25	1.25		1.56
	Toilet-6		1	1.25	1.25		1.56
	Hand Wash Area-1		1	1.25	1.5		1.88
	Hand Wash Area-2		1	1.25	1.5		1.88
	Passage						
			2	5.3	1.3		13.78
	Long Wall						
	L.W-1		2	10.9		3	65.40
	L.W-2		4	5.5		2.1	46.20
	Short Wall						
	S.W-1		4	2.8		3	33.60
	S.W-2		12	1.5		2.1	37.80
	Deduction						
	Rolling Shutters	0.5	2	1.25		2.1	-2.63
	Doors	0.5	6	0.6		2.1	-3.78
	Ventilator-1	0.5	4	1.8		0.45	-1.62
		Sqm			**Total Qty**		**529.52**
					Limited to		**229.59**

PRAGRAPRASAD CONSULTANTS BANGALORE

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**
30	KSRB15-3.9 :Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 114 / Item No. 15.17, PWD SR 2016-17 (Outside Wall)**						
	G.K.V.K						
	Long Wall						
	L.W-1		2	11.00		3.75	82.50
	Short Wall						
	S.W-1		2	2.60		3.75	19.50
	Deductions						
	Rolling Shutters						
		0.5	2	1.80		2.10	-3.78
	Ventilator-1						
		0.5	8	0.60		0.90	-2.16
	Ventilator-2						
		0.5	4	1.00		0.60	-1.20
	AMRUTHALLI						
	Long Wall						
	L.W-1		2	5.66		3.75	42.45
	Short Wall						
	S.W-1		2	4.4		3.75	33.00
	Deductions						
	Rolling Shutters	0.5	2	1.25		2.1	-2.63
	Doors	0.5	6	0.6		2.1	-3.78
	Ventilator-1	0.5	4	1.8		0.45	-1.62
	Sahakarnagara						
	Long Wall						
	L.W-1		2	11.1		3.75	83.25
	Short Wall						
	S.W-1		2	3		3.75	22.50
	Deductions						
	Rolling Shutters	0.5	2	1.25		2.1	-2.63
	Ventilator-1	0.5	6	0.6		2.1	-3.78
		Sqm			**Total Qty**		**261.63**

RAJAPRASAD CONSULTANTS BANGALORE

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**
48	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. Page No. 117 / Item No. 15.49.1, PWD SR 2016-17						
	G.K.V.K						
	Toilet						
	Toilet-1		1	1.12	1.7		1.90
	Toilet-2		1	1.15	1.7		1.96
	Toilet-3		1	2.53	1.7		4.30
	Toilet-4		1	1.17	1.7		1.99
	Toilet-5		1	1.16	1.7		1.97
	Toilet-6		1	1.15	1.7		1.96
	Toilet-7		1	1.2	1.7		2.04
	Passage						
			2	5.2	0.8		8.32
	AMRUTHALLI						
	Toilet-1		1	1.25	1.4		1.75
	Toilet-2		1	1.25	1.4		1.75
	Toilet-3		1	1.25	1.4		1.75
	Toilet-4		1	1.25	1.5		1.88
	Toilet-5		1	1.25	1.5		1.88
	Toilet-6		1	1.25	1.5		1.88
	Passage						
			2	0.9	4.3		7.74
	Sahakarnagara						
	Toilet-1		1	1.25	1.25		1.56
	Toilet-2		1	1.25	1.25		1.56
	Toilet-3		1	1.25	1.25		1.56
	Toilet-4		1	1.25	1.251		1.56
	Toilet-5		1	1.25	1.25		1.56
	Toilet-6		1	1.25	1.25		1.56
	Hand Wash Area-1		1	1.25	1.5		1.88
	Hand Wash Area-2		1	1.25	1.5		1.88
	Passage						
			2	5.3	1.3		13.78
	G.K.V.K						
	Long Wall						
	L.W-1		2	10.8		3	64.80
	L.W-2		4	5.2		2.1	43.68

RADHAPRASAD CONSULTANTS BANGALORE

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	Description of item	Unit	No	L	B	D	Qty
	Short Wall						
	S.W-1		4	2.4		3	28.80
	S.W-2		10	1.3		2.1	27.30
	DEDUCTIONS						
	Rolling Shutters						
		0.5	2	1.8		2.1	-3.78
	Doors						
		0.5	8	0.8		2.1	-6.72
	Ventilator-1						
		0.5	8	0.6		0.9	-2.16
	Ventilator-2						
		0.5	4	1		0.6	-1.20
	AMRUTHALLI						
	Long Wall						
	L.W-1		2	5.46		3	32.76
	Short Wall						
	S.W-1		4	4.2		3	50.40
	S.W-2		8	1.5		2.1	25.20
	S.W-3		4	4.2		2.1	35.28
	DEDUCTIONS						
	Rolling Shutters	0.5	2	1.25		2.1	-2.63
	Doors	0.5	6	0.6		2.1	-3.78
	Ventilator-1	0.5	4	1.8		0.45	-1.62
	Sahakarnagara						
	Long Wall						
	L.W-1		2	10.9		3	65.40
	L.W-2		4	5.5		2.1	46.20
	Short Wall						
	S.W-1		4	2.8		3	33.60
	S.W-2		12	1.5		2.1	37.80
	Deduction						
	Rolling Shutters	0.5	2	1.25		2.1	-2.63
	Doors	0.5	6	0.6		2.1	-3.78
	Ventilator-1	0.5	4	1.8		0.45	-1.62
		Sqm				**Total Qty**	**531.27**
						Limied to	**361.08**

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	Description of item	Unit	No	L	B	D	Qty
49	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. Page No. 117 / Item No. 15.53.2, SR 2016-17.						
	G.K.V.K						
	Long Wall						
	L.W-1		2	11.00		3.75	82.50
	Short Wall						
	S.W-1		2	2.60		3.75	19.50
	Deductions						
	Rolling Shutters						
		0.5	2	1.80		2.10	-3.78
	Ventilator-1						
		0.5	8	0.60		0.90	-2.16
	Ventilator-2						
		0.5	4	1.00		0.60	-1.20
	AMRUTHALLI						
	Long Wall						
	L.W-1		2	5.66		3.75	42.45
	Short Wall						
	S.W-1		2	4.4		3.75	33.00
	Deductions						
	Rolling Shutters	0.5	2	1.25		2.1	-2.63
	Doors	0.5	6	0.6		2.1	-3.78
	Ventilator-1	0.5	4	1.8		0.45	-1.62
	Sahakarnagara						
	Long Wall						
	L.W-1		2	11.1		3.75	83.25
	Short Wall						
	S.W-1		2	3		3.75	22.50
	Deductions						
	Rolling Shutters	0.5	2	1.25		2.1	-2.63
	Ventilator-1	0.5	6	0.6		2.1	-3.78
		Sqm				**Total Qty**	**261.63**

RADHAPRASAD CONSULTANTS BANGALORE

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	Description of item	Unit	No	L	B	D	Qty
50	KSRB 14.14-5: Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic Tiles of size 30x30cms 6mm thick. Page No.106, Item No. 14.36.2, PWD SR 2016-17						
	G.K.V.K						
	For Flooring						
	Toilet-1		1	1.12	1.40		1.57
	Toilet-2		1	1.15	1.40		1.61
	Toilet-3		1	2.53	1.40		3.54
	Toilet-4		1	1.17	1.40		1.64
	Toilet-5		1	1.16	1.40		1.62
	Toilet-6		1	1.15	1.40		1.61
	Toilet-7		1	1.20	1.40		1.68
	Passage						
			2	5.20	0.80		8.32
	AMRUTHALLI						
	Toilet-1		1	1.25	1.4		1.75
	Toilet-2		1	1.25	1.4		1.75
	Toilet-3		1	1.25	1.4		1.75
	Toilet-4		1	1.25	1.5		1.88
	Toilet-5		1	1.25	1.5		1.88
	Toilet-6		1	1.25	1.5		1.88
	Passage		2	0.9	4.3		7.74
	Sahakarnagara						
	Toilet-1		1	1.25	1.25		1.56
	Toilet-2		1	1.25	1.25		1.56
	Toilet-3		1	1.25	1.25		1.56
	Toilet-4		1	1.25	1.251		1.56
	Toilet-5		1	1.25	1.25		1.56
	Toilet-6		1	1.25	1.25		1.56
	Hand Wash Area-1		1	1.25	1.5		1.88
	Hand Wash Area-2		1	1.25	1.5		1.88
	Passage		2	5.3	1.3		13.78
		Sqm			**Total Qty**		**67.11**

Measurements recorded on							
BOQ Item No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**
51	KSRB 7.1 : Providing and fixing in position collapsible steel shutters with single or double leaf with vertical channel 20mmx10mmx2mm braced with flat iron diagonals 20mmx5mm size, with top and bottom rails of T iron sections of 40x40x6 mm with 38mm dia steel pulleys complete with bolt and nuts, locking arrangements, stoppers, handles on both sides with 7.5cms openings at 10 cms. c to c applying a priming coat of red lead paint. cost of materials, labour, HOM of machinery complete as per specifications. size of gate 2.4mx1.4m. Specification No. KBS 7.7 / 7.12 Page No. 30, Item No. 7.1, PWD SR 2016-17						
	G.K.V.K						
	Rolling Shutters		2	1.80		2.10	7.56
	AMRUTHALLI						
	Rolling Shutters		2	0.9		2.1	3.78
	Sahakarnagara						
	Rolling Shutters		2	1.25		2.1	5.25
		Sqm			**Total Qty**		**16.59**

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	Description of item	Unit	No	L	B	D	Qty
52	KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 - Colour glazed tiles 15x15 cms 6mm thick						
	G.K.V.K						
	Toilet-1		1	5.04		2.10	10.58
	Toilet-2		1	5.10		2.10	10.71
	Toilet-3		1	7.86		2.10	16.51
	Toilet-4		1	5.14		2.10	10.79
	Toilet-5		1	5.12		2.10	10.75
	Toilet-6		1	5.10		2.10	10.71
	Toilet-7		1	5.20		2.10	10.92
	Passage						
			2	12.00		2.10	50.40
	DEDUCTIONS						
	Rolling Shutters						
		0.5	2	1.80		2.10	-3.78
	Doors						
		0.5	8	0.80		2.10	-6.72
	AMRUTHALLI						
	Toilet-1		1	5.3		2.1	11.13
	Toilet-2		1	5.3		2.1	11.13
	Toilet-3		1	5.3		2.1	11.13
	Toilet-4		1	5.5		2.1	11.55
	Toilet-5		1	5.5		2.1	11.55
	Toilet-6		1	5.5		2.1	11.55
	Passage		2	10.4		2.1	43.68
	DEDUCTIONS						
	Rolling Shutters	0.5	2	1.25		2.1	-2.63
	Doors	0.5	6	0.6		2.1	-3.78
	Sahakarnagara						
	Toilet-1		1	5		2.1	10.50
	Toilet-2		1	5		2.1	10.50
	Toilet-3		1	5		2.1	10.50
	Toilet-4		1	5.002		2.1	10.50
	Toilet-5		1	5		2.1	10.50
	Toilet-6		1	5		2.1	10.50
	Hand Wash Area-1		1	5.5		2.1	11.55
	Hand Wash Area-2		1	5.5		2.1	11.55
	Passage		2	13.2		2.1	55.44

Measurements recorded on							
BOQ Item No	Description of item	Unit	No	L	B	D	Qty
	Deduction						
	Rolling Shutters	0.5	2	1.25		2.1	-2.63
	Doors	0.5	6	0.6		2.1	-3.78
		Sqm			**Total Qty**		**361.33**

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**
53	SOLID PVC DOOR FRAME Providing & fixing factory made PVC Door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners & jointed 2 No.s of 150mm long brackets of 15x15mm M.S Square tube, the entire door frame to be reinforced with 19x19mm M.S Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size Page No. 56, Item No. 9.84, PWD SR 2016-17						
	G.K.V.K						
	Door Frame		8	0.80		2.10	13.44
	AMRUTHALLI						
	Door Frame		6	0.75		2.10	9.45
	Sahakarnagara						
	Door Frame		6	0.60		2.10	7.56
		Sqm			**Total Qty**		**30.45**

DORAPRASAD CONSULTANTS BANGALORE

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**
54	SOLID PANEL PVC DOOR SHUTTER Providing & fixing 30mm thick factory made rigid foam Panelled Door Shutters made from M.S. tube of 19 gauge thickness, size 19x19mm fro styles and 15x15mm for top & bottom rails, covered with heat moulded PVC channel of 5mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet fitted in the M.S. Frame, Sealed to the styles & rails with 5x30mm PVC sheet beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75 m.m Aluminium hinges. Page No. 56, Item No. 9.83, PWD SR 2016-17						
	G.K.V.K						
	Door Shutters		8	0.80		2.10	13.44
	AMRUTHALLI						
	Door Shutters		6	0.75		2.10	9.45
	Sahakarnagara						
	Door Shutters		6	0.60		2.10	7.56
		Sqm			**Total Qty**		**30.45**

RUDRAPRASAD CONSULTANTS BANGALORE

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**
55	KSRB 7.7 : Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm. weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinerycomplete as per specifications. Specification No. KBS 7.12.1 / 7.12.2 / 7.12.3 / 7.12 Page No. 31, Item No. 707 PWD SR 2016-17						
	G.K.V.K						
	Ventilator-1		8	0.60		0.90	4.32
	Ventilator-2		4	1.00		0.60	2.40
	AMRUTHALLI						
	Ventilator-1		2	0.9		0.9	1.62
	Ventilator-2		6	0.6		0.45	1.62
	Sahakarnagara						
	Ventilator-1		4	1.8		0.45	3.24
		Sqm				**Total Qty**	**13.20**
						Limited to	**10.80**

RUDRAPRASAD CONSULTANTS BANGALORE

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**
56	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 20mm nominal OD pipes. (P.No.96, I.No. 13.86.2 of PWD SR 2016-17)						
	G.K.V.K						
			1	72.00			72.00
	AMRUTHALLI						
			1	55.00			55.00
	Sahakarnagara						
			1	70.00			70.00
		Mtrs			**Total Qty**		**197.00**

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**
57	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spat & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 25mm nominal OD pipes (P.No.96, I.No. 13.86.3 of PWD SR 2016-17)						
	G.K.V.K						
			1	72.00			72.00
	AMRUTHALLI						
			1	55.00			55.00
	Sahakarnagara						
			1	70.00			70.00
		Mtrs			**Total Qty**		**197.00**

Measurements recorded on							
BOQ Item No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**
58	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). - 12.5cms x 7.5cms Page No. 88, Item No. 12.113.2, PWD SR 2016-17						
	GKVK						
			7				7.00
	AMRUTHALLI						
			6				6.00
	SAHAKARNAGARA						
			6				6.00
		Each			**Total Qty**		**19.00**

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	Description of item	Unit	No	L	B	D	Qty
59	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia. (P.No. 88, I.No. 12.111 of PWD SR 2016-17)						
	GKVK						
			7				7.00
	AMRUTHALLI						
			6				6.00
	SAHAKARNAGARA						
			6				6.00
		Each			Total Qty		**19.00**

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**
60	KSRB13-6.3-3 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.6 / 13.3. (P.No.91/ I.No. 13.34 of CSR 2016-17)						
	GKVK						
			14				14.00
	AMRUTHALLI						
			12				12.00
	SAHAKARNAGARA						
			11				11.00
		Each			**Total Qty**		**37.00**

Measurements recorded on							
BOQ Item No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**
61	KSRB13-8.5 : Providing and fixing to wall, ceiling and floor, low density polyethylene pipes 6.00 kgf/sq.cm working pressure 140mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9 Page No. 93,Item No. 13.70.6, PWD SR 2016-17						
	GKVK						
			13				13.00
	AMRUTHALLI						
			11				11.00
	SAHAKARNAGARA						
			13				13.00
		Mtrs			**Total Qty**		**37.00**

RUDRAPRASAD CONSULTANTS BANGALORE

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**
62	KSRB 12-8.1 : Constructing brick masonry inspection chamber 455x610mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS (P.No. 73/ I.No.11.50 of PWD SR 2016-17)						
	GKVK						
			11				11.00
	AMRUTHALLI						
			9				9.00
	SAHAKARNAGARA						
			13				13.00
		Nos			**Total Qty**		**33.00**

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**
63	KSRB 11-11.8 : Providing and fixing white vitreous china clay, surgeon type wash basin size 660x460mm with a pair of 15mm C.P brass pillar taps with pair of elbow operated levers, C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. KBS 11 Page No. 81, Item No. 12.30, PWD SR 2016-17						
	GKVK						
			4				4.00
	AMRUTHALLI						
			4				4.00
	SAHAKARNAGARA						
			4				4.00
		Unit				**Total Qty**	**12.00**

Measurements recorded on							
BOQ Item No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**
64	KSRB13-6.1-3 : Providing and fixing in position brass bib cock of approved quality 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3. (P.No.91/ I.No. 13.25 of CSR 2016-17)						
	GKVK						
			10				10.00
	AMRUTHALLI						
			10				10.00
	SAHAKARNAGARA						
			10				10.00
		Each			**Total Qty**		**30.00**

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**
65	KSRB 11-2 : Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. (P.No. 77, I.No.12.2 of PWD SR 2016-17)						
	GKVK						
			7				7.00
	AMRUTHALLI						
			6				6.00
	SAHAKARNAGARA						
			6				6.00
		Each				**Total Qty**	**19.00**
						Limited to	**16.00**

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Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	Description of item	Unit	No	L	B	D	Qty
66	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 litre capacity) Specification No.KBS 13.22 Page No. 94, Item No. 13.78, PWD SR 2016-17						
	GKVK						
			2				2.00
	AMRUTHALLI						
			2				2.00
	SAHAKARNAGARA						
			2				2.00
		No's			**Total Qty**		**6.00**

BHOORAPRASAD CONSULTANTS BANGALORE

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurements recorded on							
BOQ Item No	Description of item	Unit	No	L	B	D	Qty
67	KSRB 11-15.3 : Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. (P.No.82, I.No. 12.41 of PWD SR 2016-17)						
	GKVK						
			2				2.00
	AMRUTHALLI						
			2				2.00
	SAHAKARNAGARA						
			2				2.00
		Unit				**Total Qty**	**6.00**

onsultant

Assistant Engineer

Assistant Executive Engineer